

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant : KUO
Application No. : 10/720,065
Filed : November 25, 2003
Title : METHOD TO CONTROL THE MAGNETIC
ALLOY-ENCAPSULATED CARBON-BASE
NANOSTRUCTURES
Group Art Unit : 1711
Examiner : Unknown
Docket No. : 3230-375

MAIL STOP
OFFICE OF INITIAL PATENT EXAMINATION
Honorable Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 CFR 1.56, and 37 CFR 1.97-1.98, the documents listed on the attached form PTO-1449 are hereby made of record in this patent application. A copy of each document listed is submitted herewith.

As this Information Disclosure Statement is being filed prior to the mailing of the first Official Action in this application, no fee is believed due in order to have the enclosed reference considered by the Examiner and made of record in the application.

Early action on the merits of the application is earnestly solicited.

Respectfully submitted,

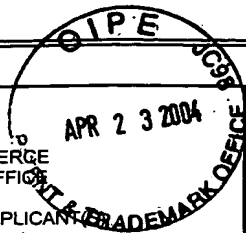
Date: April 23, 2004

By:

A handwritten signature in black ink, appearing to read "Bruce H. Troxell", written over a horizontal line.

Bruce H. Troxell
Reg. No. 26,592

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Sheet 1 of 1						
FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary) Date Submitted to PTO: April 23, 2004	<div style="text-align: center;">  </div> ATTY DOCKET NO. 3230-75 APPLICATION NO. 10/720,065 APPLICANT KUO FILING DATE November 25, 2003 GROUP 1711					
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)						
	Huaqiang Cao, et al., "Array of nickel nanowires enveloped in polyaniline nanotubules and its magnetic behavior", in Applied Physics Letters, p.1592-P1594, 2001.					
	Stephen Y. Chou, et al., "Patterned Magnetic Nanostructures and Quantized Magnetic Disks", in Proceedings of the IEEE, Vol. 85, No. 5, April 1997 P.652-671.					
	Stephen Y. Chou, et al., "Quantum magnetic disk" in Journal of magnetism and magnetic materials 1555(1996) P.151-153.					
	Stephen Y. Chou, et al., "Nanolithographically defined magnetic structures and quantum magnetic disk (invited)", in J.Appl.Phys. 79(8), 15 April 1996, P.6101-6106.					
	N. Grobert, et al., "Enhanced magnetic coercivities in Fe nanowires" in App.Phy.Letters 22 Nov. 1999, P3363-3365.					
	Chiseki Hagainoya, et al., "Thermomagnetic writing on 29 Gbit/in.² patterned magnetic media", in App.Phy.Letters, 15 Nov. 1999, P3159-3161.					
	Z.F.Ren, et al., "Growth of a single freestanding multiwall carbon nanotube on each nanonickel dot", in App.Phy.Letters, 23 August 1999, P1086-1088.					
	Ming Sun, et al., "Electrodeposition of highly uniform magnetic nanoparticle arrays in ordered alumite", in App.Phy.Letters, 7 May 2001, P2964-2966.					
	Xiangchen Sun, et al., "Investigations on magnetic properties and structure for carbon encapsulated nanoparticles of Fe, Co. Ni", in Material Science and Engineering A286 (2000) P.157-160.					
	Mladen Todorovic, et al., "Writing and Reading of single magnetic domain per bit perpendicular patterned media", in App.Phy.Letters, 26 April 1999, P2516-2518.					
	X.X.Zhang, et al., "Magnetic properties of Fe nanoparticles trapped at the tips of the aligned carbon nanotubes", in J. of Magnetism and Magnetic Materials 231 (2001) L9-L12.					
	Yihong Wu, et al., "Magnetic Nanostructures Grown on Vertically Aligned Carbon Nanotube Templates", in Nano letters 2002 Vol. 2, No. 2, P161-164.					
EXAMINER				DATE CONSIDERED		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.